



AF / GAU 2634  
JFW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

SAWA et al.

Atty. Ref.: 925-171

Serial No. 09/729,169

TC/A.U.: 2634

Filed: December 5, 2000

Examiner: K. Kim

For: COMMUNICATION APPARATUS, FREQUENCY SPECTRUM  
INVERSION METHOD AND PROGRAM STORAGE MEDIUM

\* \* \* \* \*

January 13, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of the reference(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

☐ This Information Disclosure Statement ("IDS") is being filed within three (3) months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

☐ This application was filed after June 30, 2003 so that copies of U.S. Patent Publications are not required and are not attached.

☐ This IDS is being filed more than three (3) months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐ a. I hereby certify that each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this IDS. 37 C.F.R. 1.97(e)(1).

☐ b. I hereby certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement. 37

C.F.R. 1.97(e)(2).

☐ c. Attached is our check in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Dep Acct No. 14-1140 as needed to ensure consideration of the disclosed information. A duplicate copy of this paper is attached.

☒ This IDS is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 to cover payment of the petition fee under 37 C.F.R. 1.17(I)(1). Please credit or debit Deposit Account No. 14-1140 as needed to ensure consideration of the disclosed information. A duplicate copy of this paper is attached.

☒ a. I hereby certify that each item of information contained in this IDS was first cited in the attached communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this IDS. 37 C.F.R. 1.97(e)(1).

☐ b. I hereby certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. 1.97(e)(2).

☐ Relevance of the non-English language reference(s) is discussed in the present specification.

☐ The reference(s) was/were cited in \_\_\_\_\_.

☒ For the Examiner's convenient reference, the U.S. counterpart for JP 8-265211 is identified and listed on the attached PTO-1449.

☐ The Examiner's attention is directed to co-pending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.


☐ Copies of the references were cited by or submitted to the Office in parent Application No. \_\_\_\_\_, filed \_\_\_\_\_ and are being resubmitted herein for the Examiner's consideration. Form PTO 1449 is attached with copies of the aforementioned references.

SAWA et al.  
Serial No. 09/729,169

☒ Please charge any fee associated with the filling of this paper to our Deposit Account No. 14-1140.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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## INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.

SERIAL NO.

925-171

09/729,169

APPLICANT

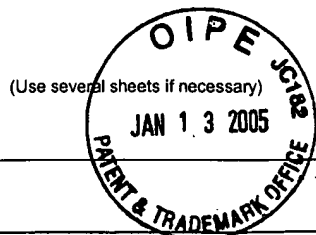
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FILING DATE

TC/A.U.

December 5, 2000

2634



## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAID DOCUMENTS							TRANSLATION	
DOCUMENT			DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		8-265211	10/1996	JAPAN			ABSTRACT	
		4-112533	9/1992	JAPAN			X	
		7-273864	10/1995	JAPAN			ABSTRACT	

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent pages, etc.)

[illegible]

**\*Examiner**

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.